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ABSTRACT OF THE DISCLOSURE

An electron beam apparatus ~~comprises~~ <sup>includes</sup> an electron source having an electron-emitting device, an electrode for controlling an electron beam emitted from the electron source, a target to be irradiated with an electron beam emitted from the electron source and a spacer arranged between the electron source and the electrode. The spacer has a semiconductor film on the surface thereof that is electrically connected to ~~said~~ <sup>the</sup> electrode. <sup>10</sup>

SEARCHED <sup>9</sup>  
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